

THERMOSTAT TH 473



Popis

Thermostat TH 473 is made as one unit. Sensor and the electrical switch system are assembled, adjusted and enclosed in the thermostat body. To install it, use thread M 22x1.5 on the thermostat body and hexagon head OK 27. Connecting terminals are flat pins 6.3 x 0.8 mm that are electrically insulated from the thermostat body. Thermostat head with flat pins is connected permanently with thermostat body. Thermostat is supplied with sealing ring diameter 22x27.

Installation

Installation and connecting of thermostat into electrical circuit can be done only by qualified person. Installation needs to be done according to following recommendations:

- Thermostat will be fastened to an opening with thread M22x1,5 that must be connected with grounding electrode, using wrench No. 27, moment of maximum 50 Nm. Screwing and fastening must not be done by gripping of flat pins on head of switch.
- Fastening thread is M22x1,5 6h
- Connecting to electrical circuit is performed using flat pins connection size 6,3x0,8 according to ČSN EN 61 210.
- Thermostats should be built into equipment designated by this manual (appliance class I) in a way that clamps are under non removable case
- Connecting clamps has to be in regular environment AB5, AE1, AM1, AN1, BE1. Body of switch "sensor" cannot be in contact with aggressive substances that corrode brass.
- Connecting thread has to be grounded.

Application

Thermostat cannot be used as a main switch. Thermostat TH 473 is designed along with other devices to maintain water temperature in solid non flow through water boilers its nominal voltage in circuit operated by TH is 100 mV. Any working position of thermostat is suitable. Other use needs to be consulted with manufacturer. After installation of TH please adhere to instructions in the manual of appliance that TH is installed in.

Influence on other products

As a result of contacts activity, short-term fluctuation of voltage on contacts occurs that is superposed in a shape of wave of power supply.

Technical details

Thermostat is manufactured in version connecting (Z) or disconnecting (R).

Connecting temperature	30 to 118 °C
Nominal contacts load	100 mV max. 0,5 A ss
Vibration resistance	5 g
Weight	55 g
Max. temperature – temporarily	125 °C
Environment temperature	(-40 ÷ +90) °C
Lifespan	5 000 cycles
Transitional resistance	max. 8mΩ

Accuracy settings	Sensitivity	
	4÷18°C	4÷12°C
±3°C	A	B

Storage

TH may be stored in enclosed ventilated spaces in the temperature range of 0–40 °C with relative humidity of max. 80 %. Protect the thermostats from impacts.

Disposal

Take the product to a scrap yard.

Possible minor faults and their removal

The thermostat may be repaired only by the manufacturer.

Warranty

According to the current law unless otherwise agreed.

The manufacturer will refuse the warranty if the device has been damaged:

- during transport and storage by the purchaser or his customers
- during assembly or disassembly in the purchaser's or his customer's appliance.
- during incompetent handling and installation in another appliance than stated in the manual.
- if the thermostat was in a different environment than stated in the manual.

Warranty and post-warranty repairs

All repairs are provided by the manufacturer. Wrap the faulty product and ship to the address below:

APATOR METRA s.r.o.

Havlíčková 919/24

787 01 Šumperk

Czech Republic

Tel.: 583 718 263

Fax: 583 718 150

E-mail: prodej@metra-su.cz

www: <http://www.metra-su.cz>